

## **Briefing to Dounreay Stakeholder Group**

### **Heritage update**

#### **Background**

The Dounreay Heritage Strategy was published in September 2010 after a public consultation process. As a result a heritage implementation plan was developed and Appendix 1 provides details of the progress of this plan.

#### **Process for Preservation of Dounreay Artefacts**

The heritage strategy identified

10 March 2014

## Appendix 1: Dounreay Heritage Implementation Plan

	Activity	Plan	Status as at Feb 2014
1	Advisory Panel	Panel constituted and to meet at least annually.	Panel has an agreed Memorandum of Understanding and met in November 2010, June 2011, March 2012 & March 2013. The Panel has representatives from Caithness Horizons, National Museums Scotland, Historic Scotland, The Royal Commission on the Ancient and Historical Monuments of Scotland and High Life Highland (Highland Council Caithness Archivist).
2	Collections	<p>2011 – Contact plant managers about saving objects for the collection.</p> <p>Continue to keep staff and ex-employees aware of heritage including the object collection via Dounreay News articles.</p> <p>Continue to maintain collection database and compile background information on items and where appropriate, attach labels for objects in the on-site exhibition. Offer objects to Museums.</p> <p>2012 - Photograph objects for displaying on website's heritage page.</p>	<p>Plant managers contacted. Visits to major plants undertaken.</p> <p>Dounreay News continues to include heritage articles.</p> <p>322 objects gathered and listed in database. On-site exhibition located in D1300 room 1. Objects donated to Caithness Horizons and the National Museum of Scotland. DMTR Control Room will be donated in 2014 to Caithness Horizons. DMTR Control Room is dismantled and stored in an ISO container pending final clearance by Health Physics.</p> <p>The Science Museum has asked for the DFR Control Room to be donated in 2014 as Caithness Horizons and the National Museum of Scotland have no room. DFR Control Room dismantled and stored in 3 ISO containers pending approval of donation.</p> <p>Photos of heritage objects located in the image library on the Dounreay website.</p>
3	Archives	Site archives continue to be managed (i.e. photographs, drawings & records).	No issues with site archives. 2 <sup>nd</sup> review procedure now has a consideration for heritage issues before final disposal.

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4	Oral history	<p>Continue to transcribe information from any completed “Capturing Dounreay Memories” forms that are returned by leavers.</p> <p>2011 – Investigate opportunities for recording of oral history via student projects or other organisations.</p> <p>Record people’s memories of Dounreay.</p>	<p>A total of 49 “capturing Dounreay memories” forms have been completed and returned to Heritage Officer.</p> <p>The history departments of the Strathclyde University and the University of the Highlands and Islands have expressed an interest in recording oral history about Dounreay. However, funding would need to be identified.</p> <p>The memories of 14 people recorded. 2 more due by 31 March 2014.</p>
5	Building recording	2011 – Write guidance note about good building recording practices	Guidance notes written for recording the building histories of non-active facilities and demolished buildings. Project teams are recording history of all current (300 off) and demolished buildings (200 off).
6	Publications	<p>Continue to provide history info to authors.</p> <p>Publish a history book.</p>	<p>A summary of Dounreay’s history was given to Caithness Horizons in 2012, for the production of a visitor leaflet. Information provided to Aberdeen University PhD student in Jan 2013. Help being provided to Colin Gregory, ex-Deputy Director, who is writing a book on the technical history of the UK Fast Reactor project.</p> <p>A draft paper covering Dounreays’ history has been compiled. The 50<sup>th</sup> anniversary book is still available to buy. Look to publish one around interim end point in c2022-2025.</p>
7	Website	Continue to maintain and update the dedicated heritage pages within DSRL’s main website.	The heritage news page is updated each time a heritage story appears on the main website. Photos of heritage objects now in the image library.
8	Computer models & virtual material	2011 – Discuss with contracts department about the ownership of 3D computer	Discussion held. Contractors supply the output from models, such as drawings, but do not hand over the actual computer programme for commercial reasons (it is generally not a contract condition). Adding a clause in the contracts would

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		models created by contractors for projects.  2012 - Arrange for Graphics dept to complete the detailed 3D computer model of sphere.	increase prices, so not really viable.  The Design dept has numerous computer models, particularly of PFR and DFR. A 3D computer model of the site is complete.  Graphics department has completed a detailed model of the outside view of the sphere and has started on the details of the inside.
9	Recording decommissioning	Decommissioning projects and Communications dept to continue recording (via news articles, photographs and video) and publicising decommissioning activities.	The website and Dounreay News continue to publicise decommissioning activities. Communications Dept continues to take still and video images of decommissioning tasks.
10	Commemorative feature	Organise a public design competition for a commemorative feature. To be arranged prior to the Interim End Point (IEP).	The IEP is currently 2025. Plan to start organising a competition in 2020.
11	Policy & Strategy	Issue a Heritage policy & strategy.	Both issued in 2010.
12	Procedures	2011 – Issue project management plan (PMP) and heritage management procedure.	PMP was issued for production of heritage strategy. Team Instruction for managing the implementation of the heritage strategy published in February 2012.
13	Guidance notes	2011 – Issue guidance notes for collecting objects and oral history	Both guidance notes issued in 2011.
14	Training & development	2012 – Review oral history training opportunities.	Heritage Officer passed an Open University short course on heritage in 2011 and attended a one day oral history training course by Strathclyde University in June 2013.
15	Benchmarking &	2012 – On-line search for initiatives by	On-going. The UK oil and gas industry has a “Capturing the energy” project. BT

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	learning from others	<p>others, particularly the energy industries.</p> <p>2012 - Visit the National Museum of Scotland to gain knowledge about the types of objects that are of interest for display.</p> <p>Continue membership of Scottish Technology &amp; Industrial Collections Knowledge (STICK) network.</p>	<p>has a heritage project. Caithness Horizons staff visited USA nuclear museums in Nov 2013.</p> <p>Heritage Officer visited the National Museum of Scotland in October 2011.</p> <p>Heritage Officer continues to be a member of STICK. Presentation about heritage project given at the 2010 annual conference.</p>
16	Sharing knowledge	<p>Continue to;</p> <ul style="list-style-type: none"> <li>• be available to do presentations</li> <li>• supply information to interested parties</li> <li>• supply articles to Dounreay News</li> <li>• update website</li> </ul>	<p>Heritage Officer wrote and presented a conference paper for an international heritage conference held in Portsmouth in June 2012, organised by Wessex Institute of Technology (WIT). The Heritage Officer accepted an invitation by WIT to become a member of the International Scientific Advisory Committee for the Defence Heritage international conference that will be held in September 2014. An abstract for a paper has been accepted.</p> <p>A presentation on the heritage project was given at the annual conference of the Association of Industrial Archaeology which was held in Dundee in Aug 2013. News articles continued to be supplied to Dounreay News.</p>
17	Innovation	<p>2011 – Publicise Dundee University's artistic film of Dounreay's heritage.</p> <p>Prior to demolition, arrange for a laser scan of DFR.</p>	<p>The local and regional press ran articles about the film "Atom Town" prior to showings in Edinburgh, Thurso, London, Amsterdam, Dundee, Germany and Copenhagen throughout 2011 and 2012. Dounreay News published an article about the success of the Thurso showing, after it was held on 3 June 2011.</p> <p>Laser scan done of Dounreay Castle and PFR Steam Generator buildings. A meeting with Glasgow School of Art's Digital Design Studio about potential for undertaking a laser scan of the Sphere, is due in Feb 2014.</p>

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18	Academic studies	2012 – Explore opportunities with educational institutions for studies on nuclear heritage	<p>Aug 2011. An MSC student at Edinburgh University successfully completed a Science &amp; Technology Studies dissertation about the involvement of the National Museum of Scotland in the development of the Dounreay heritage strategy.</p> <p>Jan 2013 - An Aberdeen University PhD student is undertaking a study on “a philosophical examination of the role that power plays in mediating people’s experience of an environment” and is including the effect that Dounreay has had on Caithness and North Sutherland.</p> <p>Dec 2013. A Professor at Linnaeus University, Sweden, is working on an academic paper about Communicating with future generations, using the Dounreay Heritage Strategy as an example.</p> <p>Dec 2013. The Royal Commission on the Ancient and Historical Monuments of Scotland is investigating possible funding for a PhD study about Dounreay under the Collaborative Doctoral Partnerships scheme with UHI.</p>
19	National exhibition	2013 - Liaise with National Museums about exhibition(s) covering nuclear energy.	The National Museum of Scotland has plans for a new major exhibition about energy in 2015/16 and the nuclear section will feature two electrical panels from the PFR Control Room. The Science Museum in London is planning an exhibition about nuclear energy in 2016 and has asked to exhibit the DFR Control Room desk and panels.
20	Nuclear heritage conference	<p>2011 - Review existing decommissioning conferences that could potentially host a session on nuclear heritage.</p> <p>2012 – Investigate viability of including nuclear heritage on the agenda of existing decommissioning conferences.</p>	<p>List of existing conferences produced.</p> <p>2013. Dounreay management has agreed to the organisation of an international industrial heritage conference in Thurso in 2017, just after the planned opening of the National Nuclear Archive (NNA). This is to give the area a socio-economic boost. The conference will be based at the Thurso Cinema with proposed visits to the NNA, Dounreay and UHI ETEC. The International Committee for the</p>

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			Conservation of the Industrial Heritage (TICCIH) has been approached to be affiliated with the event and help with its promotion.



Appendix 2 – Objects due to be donated to Caithness Horizons by Summer 2014

<b>No.</b>	<b>Item Ref. No.</b>	<b>Title</b>	<b>Description</b>
1	6	PFR control room door	Full size glass swing door from PFR control room with UKAEA coat of arms. One half of a pair.
2	136	QFE Dosimeter	QF 1371B Dosimeter 94/40097/6 serial No. 270649
3	149	Sphere post it notes	Post-it notes in shape of Sphere and dated 2002
4	185	Staff handbook	UKAEA staff handbook - 1967 with amendments up to 1992
5	186	Coat of Arms Letraset	Coat of Arms Letraset (colour and B&W) with numerous images on trace paper
6	194	Safety handbook	DNPDE Safety Handbook c1990
7	195	Emergency Arrangements booklet	Dounreay emergency arrangements information for local residents Oct 1993
8	202	Handbook of Rules & Union agreements	handbook of rules and national joint industrial council agreements - 1971
9	203	PFR plant handbook 1,2 & 3.	PFR plant handbook 1 - electrical systems and general services copy No. 55 DF Shipley PPTO. Handbook 2 - reactor handling plant and handbook 3 power plant.
10	205	Dounreay information pack	Green & white UKAEA Dounreay folder containing information booklets on Dounreay and radiation in general
11	206	Leather satchel	Brown leather satchel with lock, for carrying security classified documents. Marked "Property of UKAEA" and has tab with instructions if found.
12	207	Haggis Magazines	Magazines about Dounreay issued quarterly by the Dounreay Sports & Social Committee and Ormlie Lodge Club between 1958 and 1966.
13	209	Constabulary Rules & Regulations	AEA Constabulary Rules, Code of Discipline, Notes on preparation of police reports, regulations 1959, Chief Constable's instructions 1976, Discipline & Complaints regulations 1981
14	210	D1249 Cartoons	Folder of Cartoons by George Melson, D1249 Criticality Facility
15	215	A history of the Ormlie Lodge Club	Natural Beauty. A history of the Ormlie Lodge Club 1955 -1992, by Graham Henderson 19 January 1993. (40 loosely bound A4 sheets)
16	216	DFR Symposium proceedings	Proceedings of the symposium on the Dounreay Fast Reactor 7 Dec 1960 by IMechE
17	217	2008 Safety Award sign	British Safety Council safety award for 2008 - round plastic sign

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18	218	M Edmunds retirement gift	Presented to Maurice Edmunds, Head of Site Services, in 2006 on his retirement. A wooden block with polished stainless steel model of building DN013 (offices and stores in the Fuel Cycle Area). Made by the craft apprentices.
19	224	Superphenix medal	gold Superphenix (French fast reactor) medal in red presentation box. Believed to be a visitor gift.
20	225	AEA Constabulary charity pin badges	two charity pin badges by AEA constabulary (beaver dressed as a scout with "AEAC Dounreay" on cap & policeman playing a guitar in front of DFR sphere with a football and a date of 1992)
21	226	D2O sign	plastic sign with "D2O outlet temp" believed to be from DMTR as it used heavy water
22	227	UKAEA hi-viz outdoor clothing	Yellow Hi-Viz Waterproof jacket (small size) with coat of arms logo & "UKAEA restoring our environment". Also, matching trousers with no logo.
23	228	UKAEA hard hat	yellow hard hat with coat of arms logo & "UKAEA restoring our environment"
24	229	DSRL hi-viz jacket	Yellow DSRL hi-viz bomber style jacket with DSRL logo on back
25	239	UKAEA trousers	Navy blue cotton trousers with UKAEA logo and "restoring our environment"
26	240	UKAEA coveralls	navy blue cotton overalls with UKAEA logo and "restoring our environment"
27	247	SIMON the safety doll	Hand knitted doll called SIMON (Safety In My Own Neighbourhood) created for safety presentations and workshops about personal protective equipment in 2001. A glass version was made by Ian Pearson and was presented to the winning team in the annual safety quiz.
28	248	Chernobyl medal	Gold medal, in a wooden box, presented to Simon Middlemas, Managing Director, for being part of the UK team that helped the Ukraine with the Chernobyl shelter plan. The Shelter Implementation Plan (SIP) was developed in a cooperative effort among the European Union, the United States and Ukraine to protect the personnel, population and environment from the threat of the huge radioactive inventory of the Chernobyl Unit 4 Shelter. At the end of the eight- to nine-year project, which is estimated to cost US\$768 million, the Shelter will be transformed into a stable and environmentally safe system for an estimated 100 years.
29	255	Fleece Jacket	Navy fleece jacket with UKAEA coat of arms and "UKAEA restoring our environment"
30	256	waistcoat	Yellow Hi-viz waistcoat with logo and "UKAEA restoring our environment"

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31	259	Russian dinner menu	Melvich hotel dinner menu in Russian & English dated 2 July 1991. Entertaining visiting scientists.
32	260	PFR shift managers log sheet	Photocopy of the PFR shift managers log sheet (station summary) on day of shutdown 31 March 1994 signed by Gordon Tait
33	261	SQEP certificate	Suitably Qualified & Experienced Person certificate issued to Donald Ryan for duties at PFR on 27 Nov 1990
34	262	DFR Shift Manager certificate	Wallet sized certificate appointing W Donald Ryan as DFR Shift Manager from 1 Feb 1971 and revalidated in 1972 & 1973. Plus another similar certificate from 4 Feb 1974 to 2 Feb 1977. Both coloured pink.
35	272	safety hat stress ball	soft stress ball in shape of safety hat with safety first always printed on side
36	280	UKAEA House Cavity wall insulation certificate	Certificate of guarantee dated Nov 1980 by Rentokil Ltd for cavity wall insulation of UKAEA House at 11 Braemeore Place, Thurso. Also certificates for 7 Ormilie Road & 15 Heathfield Road.
37	285	UKAEA wallpaper	2 rolls of UKAEA wallpaper with coat of arms printed pattern
38	287	Drawing of Clifford Blumfield OBE	Coloured drawing of Dounreay Director Clifford Blumfield swinging a golf club at a miniature DFR sphere, under the title "Decommissioning DFR". Was commissioned for his retirement on 17 gq3tirement on 17 gq3tirement on 159984

Appendix 3 - Objects due to be donated to National Museums Scotland by Summer 2014

No.	Item Ref. No.	Title	Description
1	6	PFR control room door	Full size glass swing door from PFR control room with UKAEA coat of arms. One half of a pair.
2	28	PFR Electrical Panels	Two PFR control room panels from the electrical generation side. Hydro board grid switch panel and panel for grid generator meters including synchronising dial used for closing main switch M60.
3	196	PFR Demountable sub-assembly (DMSA) cluster	Unused stainless steel Demountable Sub-Assembly (DMSA) in wooden box. For mounting experimental irradiations in PFR. A DMSA contained up to six removable clusters.
4	251	Waste product sample	Sample of an experimental trial at FZK-INE (Institute for Nuclear waste Disposal, Karlsruhe, Germany) in December 1997, encapsulating simulated PFR waste product in glass. Encased in a stainless steel tube which sits in a wooden block with name plate. Also a glass sample that is not encased.